

The Development of Liberal Arts and Sciences

□ □

ANSWER

— [1] □

Technological Singularity

[2]

Leukotomy ลูกotomy [3] ลูกotomy

ANSWER

الطباطبائي [5] والطباطبائي [6]

الطباطبائي [7] والطباطبائي [8]

الطباطبائي [9]

الطباطبائي [10]

الطباطبائي [11]

Ibn al-Haytham [12]

الطباطبائي [13]

الطباطبائي [14]

الطباطبائي [15]

الطباطبائي [16]

الطباطبائي [17]

well-controlled [18]

الطباطبائي [19]

الطباطبائي [20]

الطباطبائي [21]

17 [22]

A horizontal row of 20 empty rectangular boxes, intended for children to write their names in, likely on a worksheet.

[10] 〔 〕
[11] 〔 〕
〔 〕

-peer review

well-controlled [13] [14]

〔16〕

epistemology critique

A row of 10 empty square boxes for drawing.

Фердинанд Карл Швайкарт 1819–1830

〔19〕

“”

A row of 15 empty rectangular boxes, intended for a student to draw a timeline from the year 1900 to 2000.

20

20

5 of 5

[23]

『leukotomy』 Forrest Gump『A City upon a Hill』 [24]

personality 智力 intelligence

“……” [25]

主機型電腦 mainframe □個人電腦 personal computer □ 智能手機 smartphone □ 智能手錶 smartwatch □ 智能電視 intelligent television □ 智能機器人 intelligent robot

leukotomy

卡爾·波普爾(Karl Popper)批判了傳統的科學觀點，認為科學不是一個確定性知識的累積過程，而是一個不斷試錯、不斷推翻舊有理論、尋找更符合現象的新理論的過程。

零样本学习：从零开始的Turing Test和AlphaGo Zero

图灵机 Turing Machine

Universal approximation theorem 通用逼近定理

Technological Singularity

AI: A Modern Approach Wind Tunnel approach

SAE level 5 SAE level 4 SAE level 4 SAE level 4

AlphaGo Zero | Nature | superhuman | Superhuman | generic | human | generic | superhuman |

AlphaGo Zero 19x19 AlphaGo Zero

A decorative horizontal bar consisting of a series of small, evenly spaced rectangular blocks, likely a watermark or a decorative element.

Occam's Razor

ANSWER

自利基因 (或不朽基因) The Selfish Gene (or The Immortal Gene) [28]

_____“_____”_____ leukotomy _____

Gu Test A Progressive Measurement Of Generic Artificial Intelligence

guideline judgement “ ” [30]

Page 1

80/90 年代の PC [31] Internet smartphone

iPhone smartphone mainframe PC smartphone

CPU operating system (OS) PC Internet smartphone

ARM CPU Linux Android CPU OS [32]

consolidation smartphone Consolidation smartphone

smartphone smartphone

smartphone smartphone

smartphone

1920 smartphone

niche sector

smartphone

smartphone

Matrix motif motif motif

motif motif motif

[33]

Hawthorne effect

□ □ □ □ □ □ □ □ □ □

individualism [34] The Selfish Gene (The Immortal Gene) 111

工业化和城市化
Gilded Age

金裝時代 [35] Gilded Age [36] 911

金粉时代 Gilded Age 一座城市的诞生 A City upon a Hill 为森林而生 Forrest Gump 911 911

『Gilded Age』

“**中華人民共和國農業農村部**”

personality dimension [37]

[38]

1/5

AI
Artificial Intelligence

AI
Artificial Intelligence

AI
Artificial Intelligence
Technological Singularity
AlphaGo Zero
19x19
AlphaGo Zero
superhuman
[42]

Deep Blue
Demis Hassabis
AlphaGo Zero
superhuman
Technological Singularity
AlphaGo Zero

AlphaGo Zero
Deep Blue
AlphaGo Zero
AlphaGo Zero
superhuman
Technological Singularity

Deep Blue
Deep Blue
AlphaGo Zero
superhuman
[44]

AI
A Modern Approach
Wind Tunnel approach
737Max

AI
Wind Tunnel approach
737Max

AI
Wind Tunnel approach
737Max

AI

AI
Artificial Intelligence

BRAIN Initiative
Artificial Intelligence

Leukotomy
[45]
Artificial Intelligence

AI
Artificial Intelligence

Technological Singularity
Artificial Intelligence

ANSWER

~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~

[3] 一二三四五六七八九〇一二三四五六七八九〇一二三四五六七八九〇一二三四五六七八九〇

11. *What is the primary purpose of the following statement?*

[4] 中国房间 Chinese room 中国房间

In Math We Trust

Technological Singularity

[5] 亂世の政治家たち

[6] 『Guidelines for the assessment of the quality of evidence and strength of recommendations in clinical guidelines』

“…………”…………

[8] JOHN PHILOPONUS John Philoponus was a Greek Christian philosopher and theologian.

Ibn al-Haytham was a Persian polymath who made significant contributions to optics, mathematics, and methodology.

[9] architect architect methodology

[10] personality

personality

[11] personality personality

personality

personality personality

physical sciences

[12] 1630

1632

[13] 1687

[14]

[15] Gödel's theorems suggest metaphysics from humans may not work. I do not cross the boundary between religion and science.

Je pense, donc je suis

20

[16]

insights

17. Ferdinand Karl Schweikart

18. [19]

19. [20]

20. [21]

21. [22]

22. [23]

23. [24]

24. [25]

25. [26]

26. [27]

27. Filippo Marinetti Manifesto del Futurismo

28. Technological Singularity

29. Nature AlphaGo Zero superhuman

30. go rogue

31. [32]

32. 1917

33. [34]

34. (Паша) personality

35. [36]

1917

ANSWER

ANSWER

[24]

“**我**们要的是一个‘**有思想**’的‘**人**’，一个‘**有思想**’的‘**人**’”

5 of 5

attraction|passion|commitment

leukotomy BRAIN Initiative

ARBEIT MACHT FREI

[27] 

[29] 

go rogue □ vandalist □ 1204

Socratic method

A horizontal row of 15 empty square boxes, intended for a student to draw a picture in.

AlphaGo Zero 通过自我对弈仅 40 天就达到了人类水平，Nature 期刊 AlphaGo Zero 通过自我对弈仅 40 天就达到了人类水平

Jack Ralph Ralph Ralph leader Piggy Ralph Simon

The Development of Liberal Arts and Sciences

[31] Intel CPU چیزی است که می‌تواند میکروسافت ویندوز را اجرا کند.

CPU ဗုံး OS ပုဂ္ဂန်း 1980 ခုနှစ်

Intel smartphone CPU Technological Singularity

Линус Торвалдс Linux Google Android Microsoft Apple smartphone Google Google CPU OS ARM Google CPU OS smartphone

smartphone

[33] 〔プログラム音楽〕 program music 〔プログラム音楽〕 program music “”

A decorative horizontal border consisting of a repeating pattern of small, empty rectangular boxes, similar to a perforated paper strip.

[34] 『』

[35] "On 28 July, after reading Serbia's reply, Wilhelm commented, 'But that eliminates any reason for war'[132] or 'every cause for war falls to the ground'. [133].....Wilhelm's sudden change of mind about war enraged Bethmann Hollweg, the military, and the diplomatic service, who proceeded to sabotage Wilhelm's

Wilhelm Gilded Age 1920

Wilhelm Gilded Age 1920

Wilhelm Gilded Age 1920

[36] Wilhelm Gilded Age 1920

[37] Wilhelm Gilded Age 1920

[38] Wilhelm Gilded Age 1920

[39] Wilhelm Gilded Age 1970

Wilhelm Gilded Age 1970

Wilhelm Gilded Age 1970

Wilhelm Gilded Age 1970

Wilhelm Gilded Age 1970 BRAIN Initiative Moonshot

Wilhelm Gilded Age 1970 go rogue [46]

[40] Wilhelm Gilded Age 1970

Wilhelm Gilded Age 1970

Wilhelm Gilded Age 1970 “Wilhelm” Gilded Age 1970

Wilhelm Gilded Age 1970

“我们

[41] 我们

“我们”

crowded

“我们”

“我们”

“我们”

“我们”

AlphaGo Zero

AlphaGo Master

737 Max

"In thousands of tests, nothing like this had ever happened,' he said.", Boeing Built Deadly Assumptions Into 737 Max, Blind to a Late Design Change, <https://www.nytimes.com/2019/06/01/business/boeing-737-max-crash.html>.

[43] The Guadian

"Demis Hassabis ... is deadly serious when he tells me he is on a mission to 'solve intelligence, and then use that to solve everything else'.

10

'One way of thinking of AGI is as a process that will automatically convert unstructured information into actionable knowledge. What we're working on is potentially a meta-solution to any problem.'",

from <https://www.theguardian.com/technology/2016/feb/16/demis-hassabis-artificial-intelligence-deepmind-alphago>

[44] Deep Blue

[45] Leukotomy ლეიკოთომი Moniz მონიზი leukotomy ლეიკოთომი
ლეიკოთომი ლეიკოთომი ლეიკოთომი Leukotomy ლეიკოთომი leukotomy ლეიკოთომი
ლეიკოთომი leukotomy ლეიკოთომი Moniz მონიზი leukotomy ლეიკოთომი
<https://www.nobelprize.org/prizes/medicine/1949/moniz/article/>, First published 29
October 1998

leucotomy

[46] "Second US town pays up to ransomware hackers", <https://www.bbc.com/news/technology-48770128>